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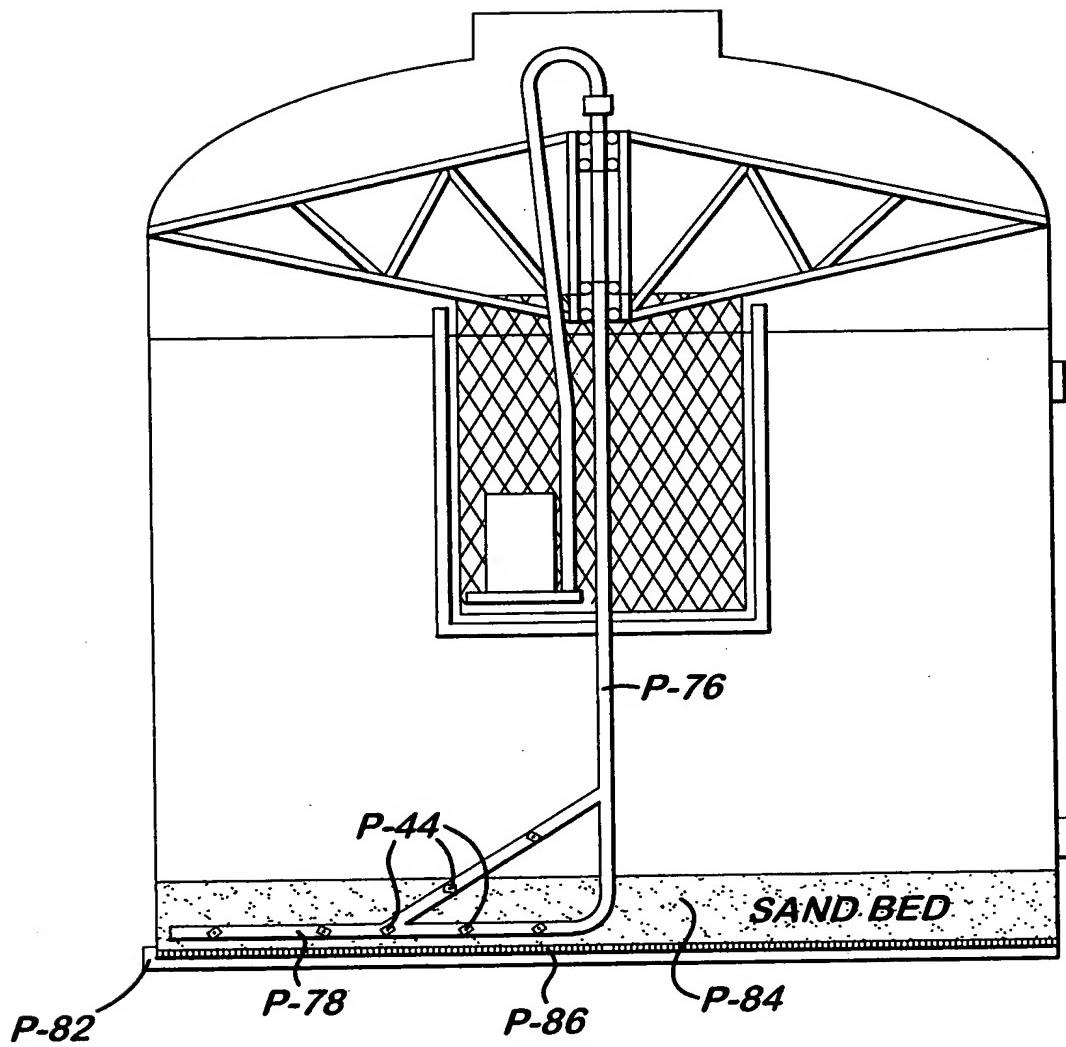
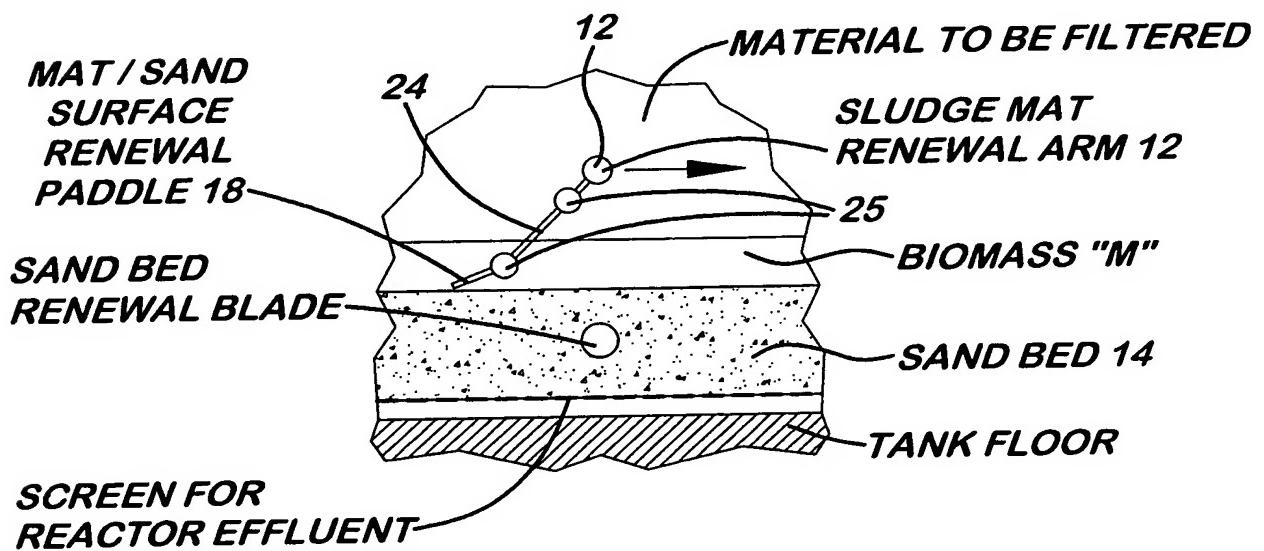
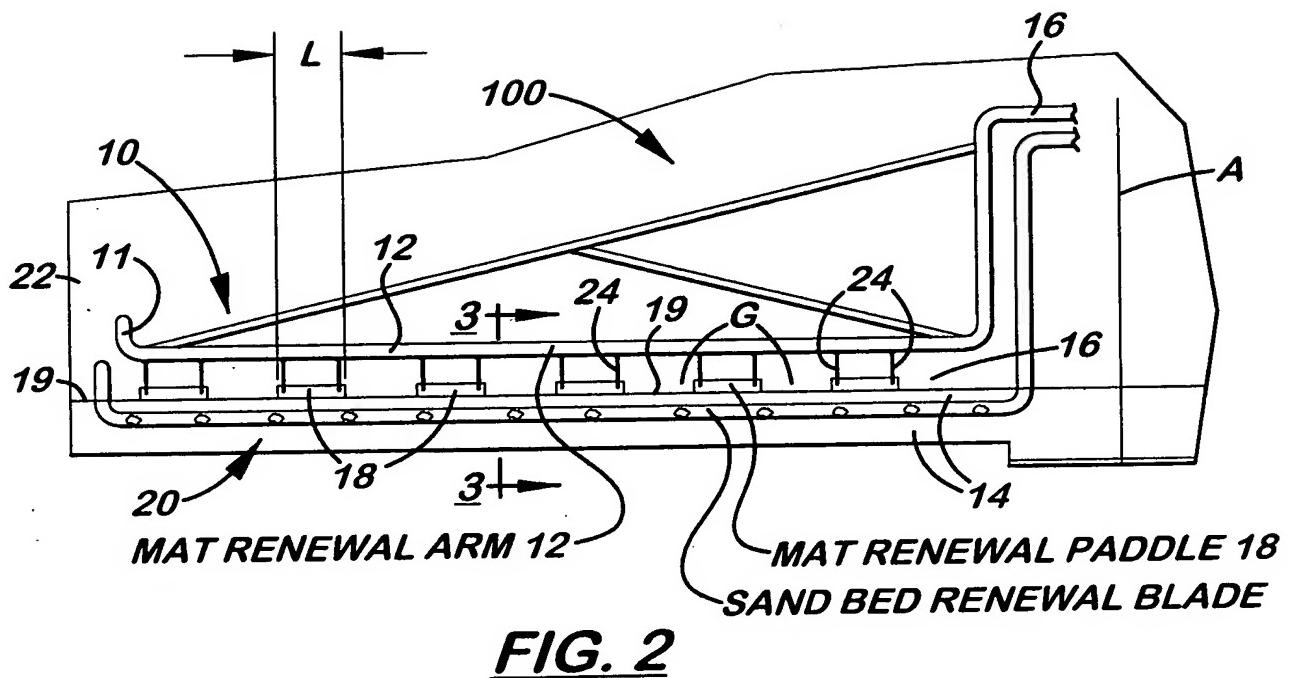


FIG. 1
(PRIOR ART)

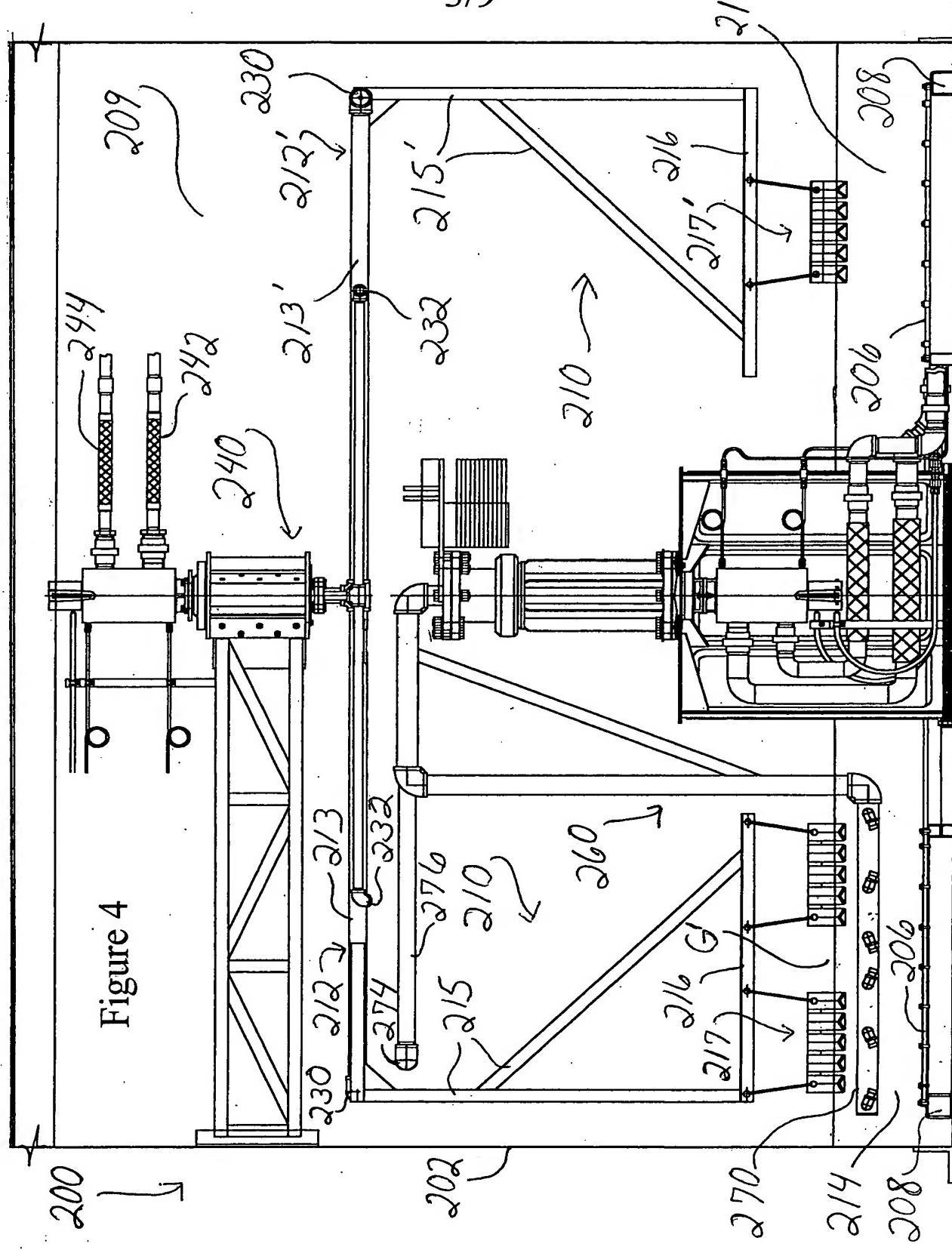


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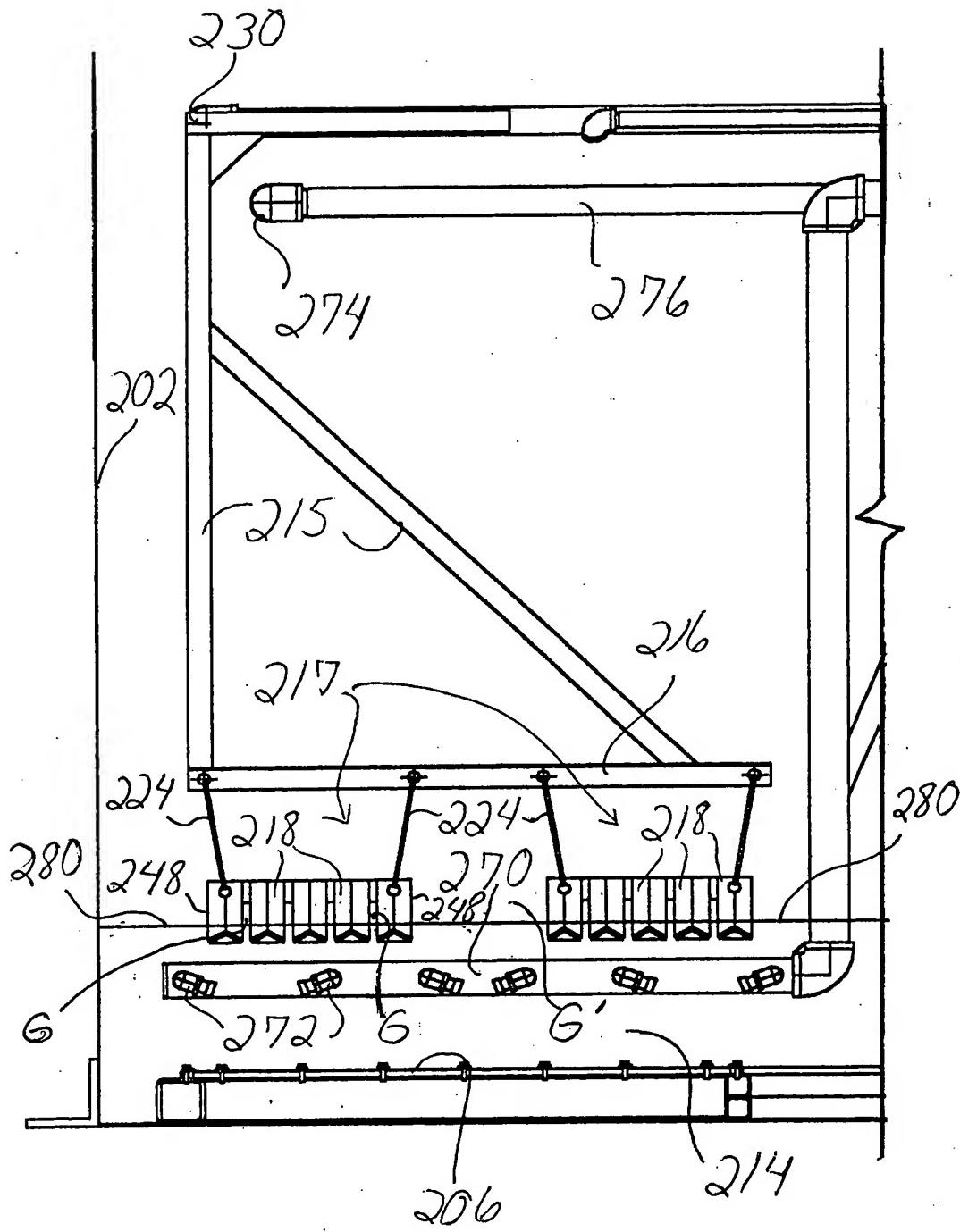


Figure 5



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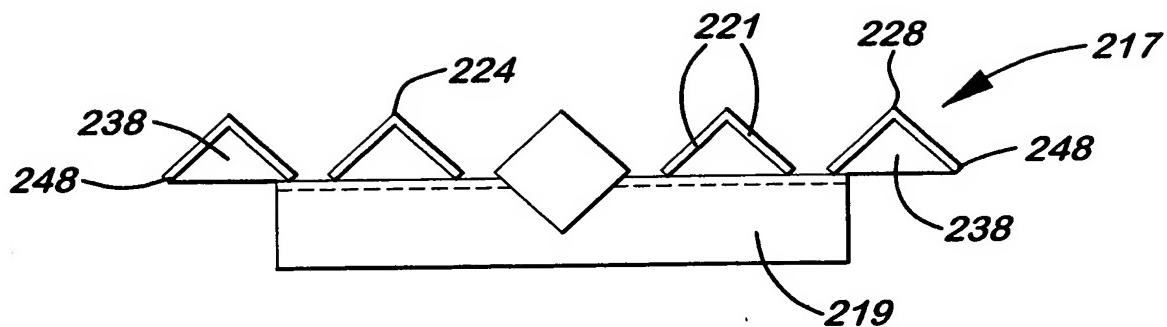


FIG. 7

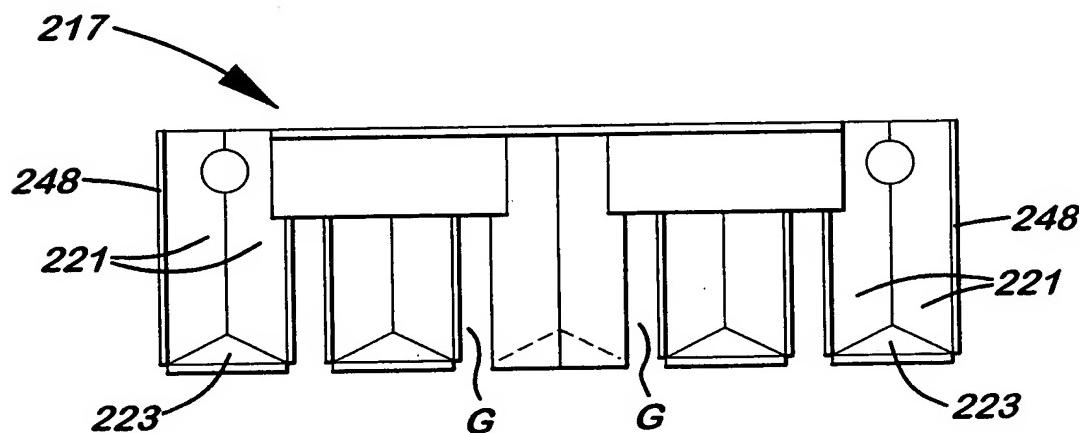


FIG. 6

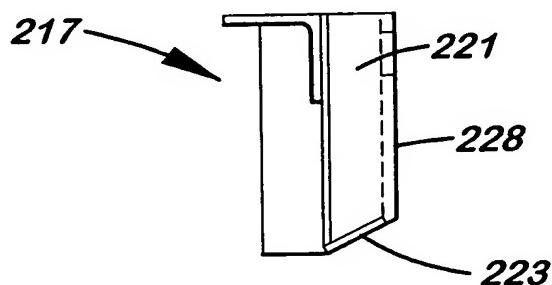


FIG. 8



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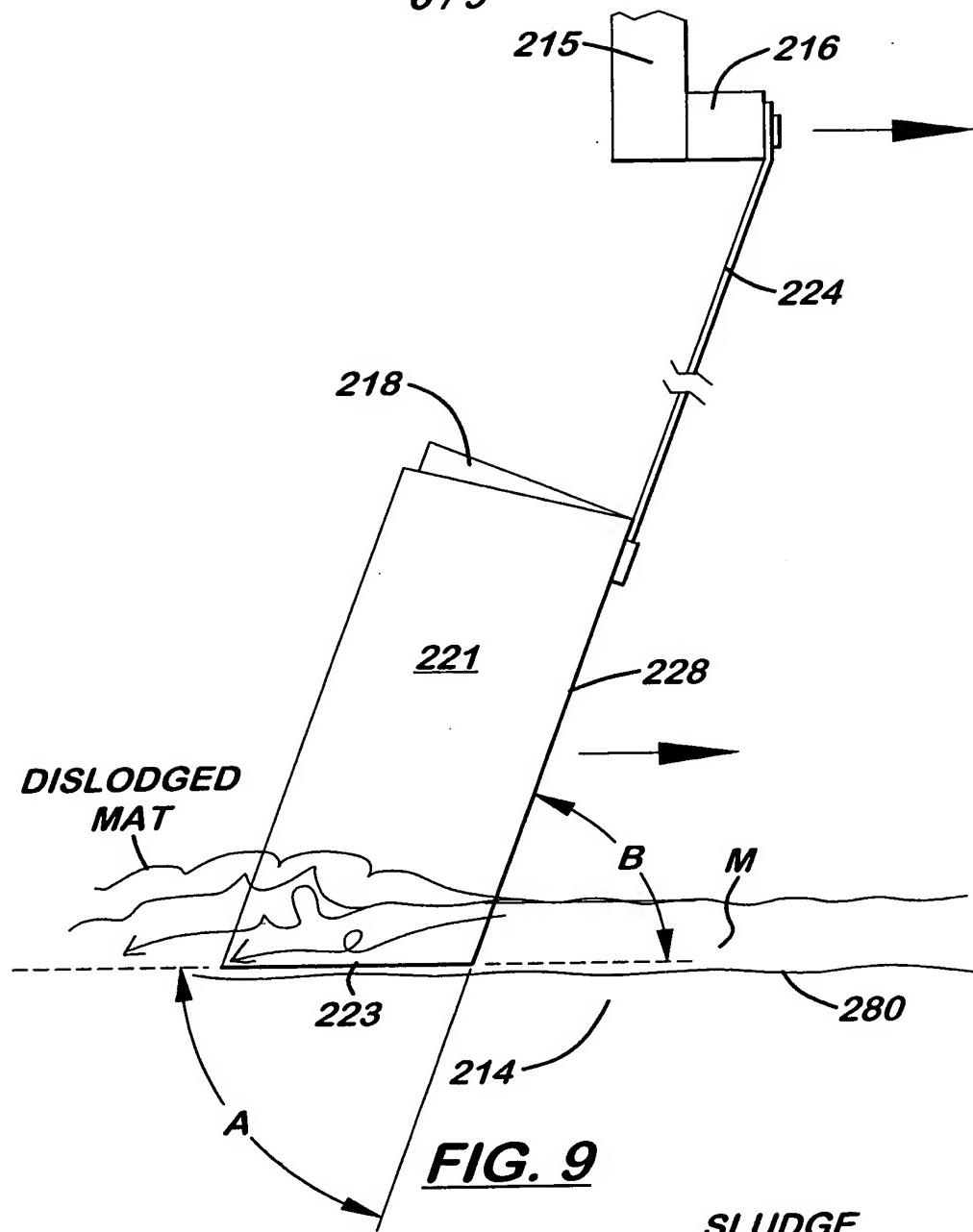


FIG. 9

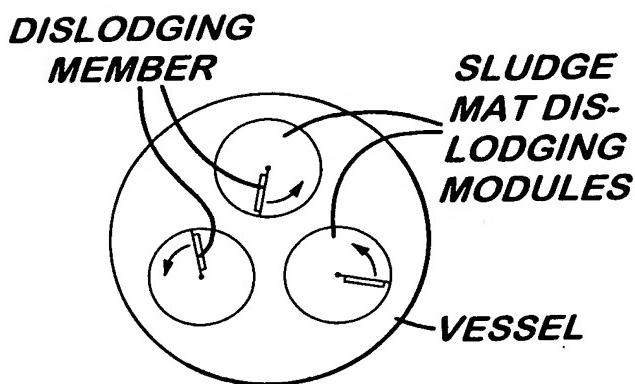


FIG. 10

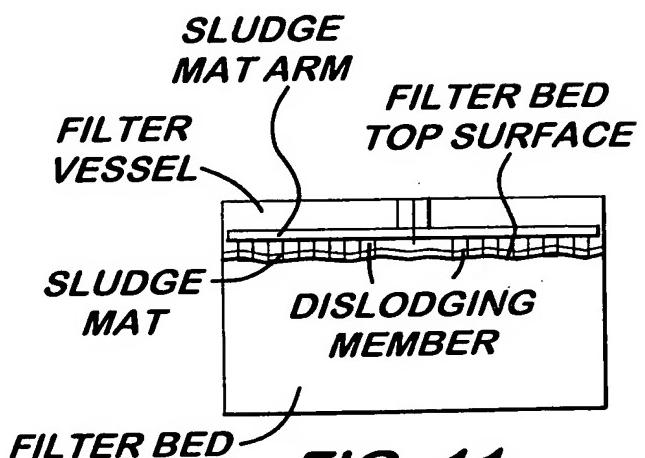


FIG. 11

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A Comparison of Flow Performance with and w/o Rake Invention

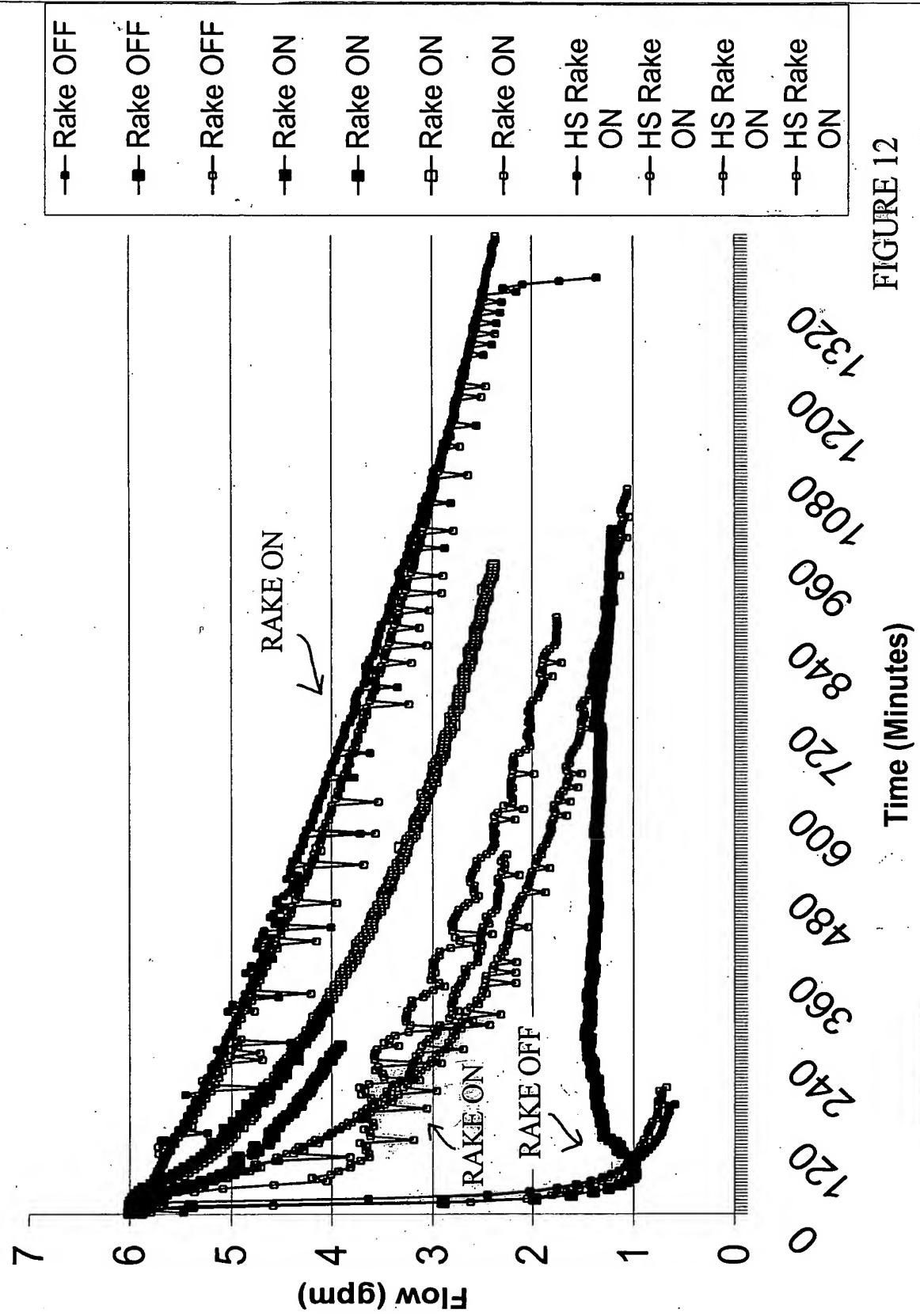
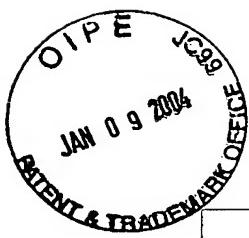


FIGURE 12



A Comparison of Flow Performance with and w/o Rake Invention (4 Hour Interval)

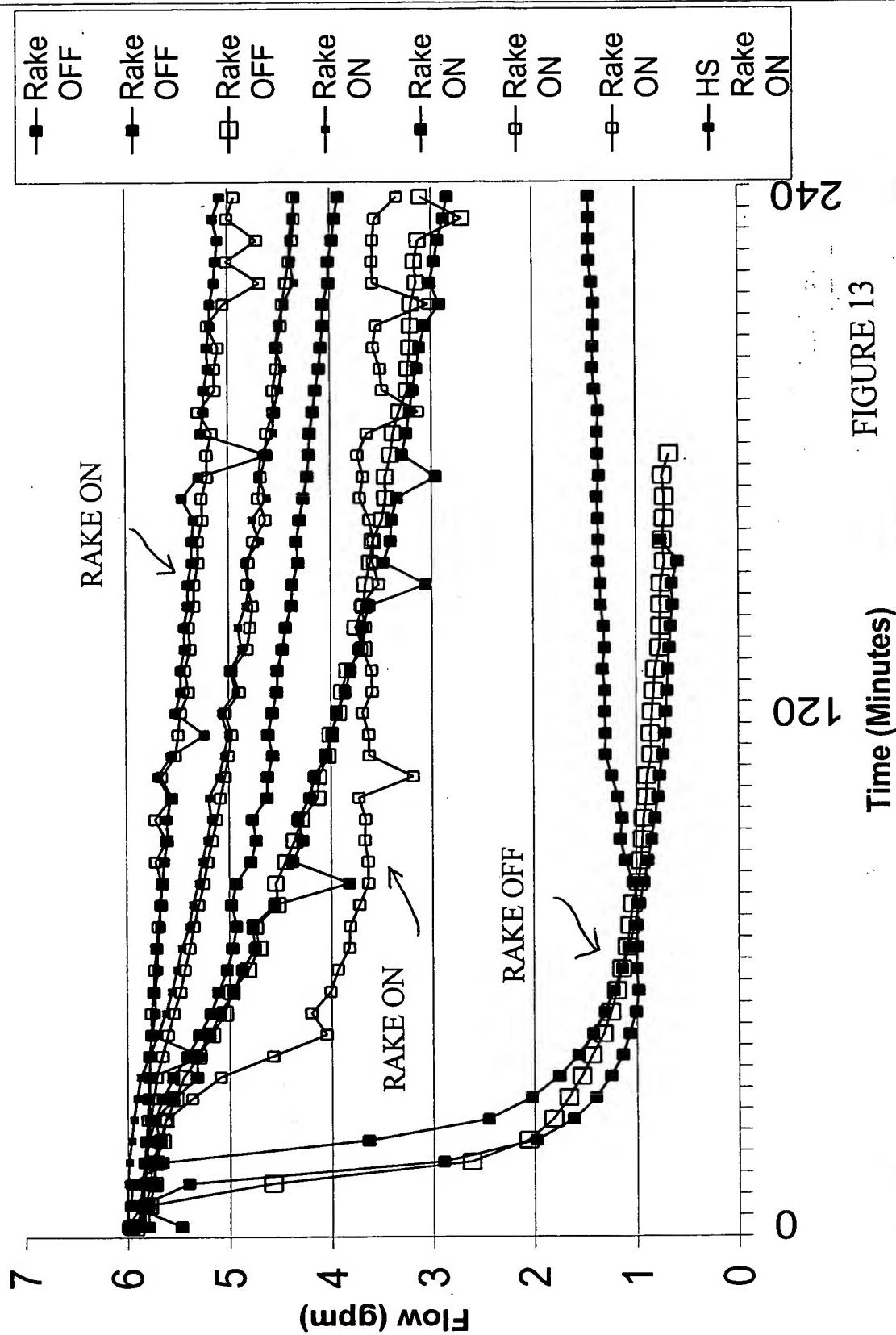


FIGURE 13 Time (Minutes)

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Continuous Operation @ Various Underdrain Capacities

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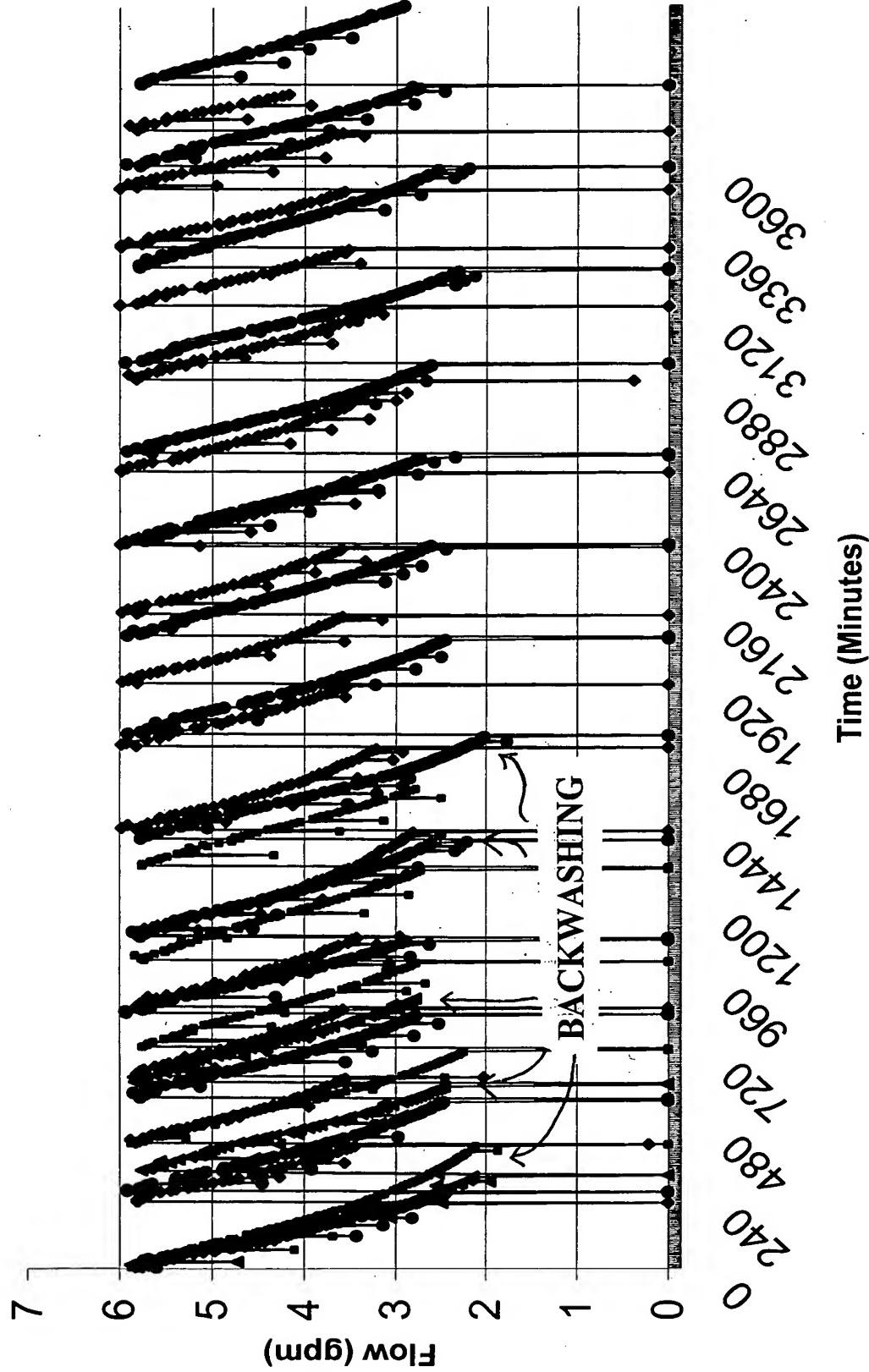


FIGURE 14

- 100% Open Underdrain
- 60% Open Underdrain
- ▲— 40% Open Underdrain
- △— 24% Open Underdrain